

METHOD AND APPARATUS FOR TREFINATING BODY VESSELS AND HOLLOW ORGAN WALLS

Abstract of the Disclosure

A system is disclosed for creating a hole in a body
5 vessel or hollow organ. Such holes are useful in
surgically preparing the hollow organ or body vessel for
connection with another hollow organ, body vessel or
prosthetic conduit. For example, an assist device is
generally connected to the left ventricle through a
10 ventriculotomy created at the apex of the left ventricle.
This ventriculotomy is most easily created with a punch or
trephine. Control over such a procedure must be precise so
as not to damage the ventricular wall or intracardiac
structures such as papillary muscles, chordae tendinae,
15 etc. The punch of the current invention allows for precise
location and alignment of the cutting segment. The punch
of the current invention also allows for precise advance of
the cutting blade and a very clean cut of the tissue. Such
clean cuts improve the healing when the hole in the body
20 vessel or hollow organ is closed or attached to a
connection, either prosthetic or natural.